

Converting Colors

CIELCh(40, 16.588, 191.009)

Have a look what the booklet for
CIELCh(40, 16.588, 191.009)
contains.

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Color

CIELCh(40, 16.588, 191.009)

Conversions

Conversions Part 1

Format	Color
Hex	396663
RGB	57, 102, 99
RGB Percent	22%, 40%, 39%
CMY	0.7768, 0.6004, 0.6121
CMYK	0.44, 0.00, 0.03, 0.60
HSL	176°, 28%, 31%
HSV	176°, 44%, 40%
XYZ	8.6723, 11.2510, 13.4961
YIQ	88.2030, -25.8570, -10.4730

Conversions

Conversions Part 2

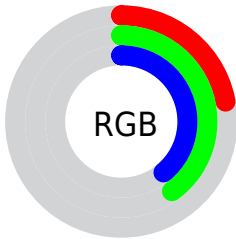
Format	Color
RYB	57, 80, 102
Decimal	3761763
CIELab	40.00, -16.28, -3.17
CIELCh	40, 16.588, 191.009
Yxy	11.2510, 0.2595, 0.3367
Android (android.graphics.Color)	4281951843 (0xFF396663)
YUV	88.2030, 5.3229, -27.3650
Hunter-Lab	33.5425, -12.5486, -0.3762

Details

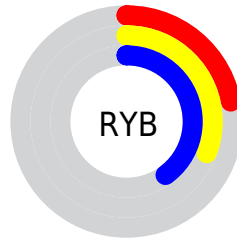
The CIELCh color **40, 16.588, 191.009** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 21.433, 18.580**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 16.499, 191.975**, and **20, 16.586, 191.643** is the 20% darker color. If you saturate the color by 10%, you get **40, 19.473, 190.355**, and if you desaturate by 10%, it is **41, 13.314, 191.659**.

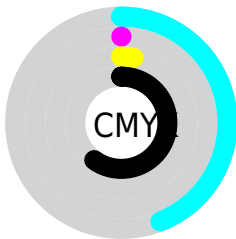
Distribution



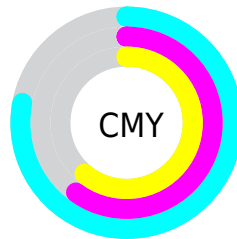
- Red (22%)
- Green (40%)
- Blue (39%)



- Red (22%)
- Yellow (31%)
- Blue (40%)



- Cyan (44%)
- Magenta (0%)
- Yellow (3%)
- Black (60%)





- Cyan (78%)
- Magenta (60%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 16.588, 191.009 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 40, 16.588, 191.009 by changing the saturation by 10% instead.


 40, 16.588,
191.009


 40, 16.588,
191.009


 100, 16.588,
191.009


 30, 16.588,
191.009

 60, 16.588,
191.009


 20, 16.588,
191.009


 70, 16.588,
191.009


 10, 16.588,
191.009

 80, 16.588,
191.009

 0, 16.588, 191.009

 90, 16.588,
191.009

 40, 16.588,

 40, 16.588,

191.009

191.009

■ 40, 19.473,
190.355

■ 41, 13.314,
191.659

■ 39, 21.917,
189.698

■ 41, 9.707, 192.319

■ 39, 23.886,
189.025

■ 42, 5.831, 192.997

■ 43, 1.745, 193.790

■ 39, 25.368,
188.326

■ 44, 2.496, 14.130

■ 38, 26.415,
187.596

■ 45, 6.843, 14.879

■ 46, 11.256, 15.562

■ 38, 26.987,
187.182

■ 47, 15.701, 16.231

■ 48, 20.150, 16.891

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40, 16.588, 191.009



30, 21.433, 18.580

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40, 16.588, 191.009



40, 16.588, 241.009



40, 16.588, 11.009



40, 16.588, 61.009

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40, 16.588, 191.007



54, 6.660, 193.052



39, 32.251, 139.405



27, 4.606, 192.937



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40, 16.588, 191.007



51, 23.617, 190.331



34, 14.633, 252.565



21, 2.339, 193.374



43, 29.378, 187.063



87, 51.149, 186.530

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30, 21.433, 18.580



36, 32.685, 20.541



34, 17.578, 61.580



19, 2.450, 14.438



22, 54.230, 34.680



51, 97.935, 37.996

Previews

White Background



This preview shows how the CIELCh color 40, 16.588, 191.009 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 40, 16.588, 191.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

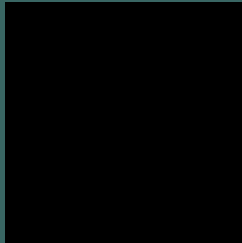
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 16.588, 191.009

Background



This preview shows how black text looks on a background with the CIELCh color 40, 16.588, 191.009.



This preview shows how white text looks on a background with the CIELCh color 40, 16.588, 191.009.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


40, 16.588, 191.009

Protanopia

40, 1.047, 343.584

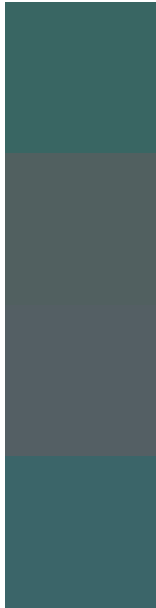
Deuteranopia

40, 7.180, 322.143



Tritanopia
40, 14.882, 219.697

Trichromacy



Original Color
40, 16.588, 191.009

Protanomaly
40, 6.037, 198.681

Deuteranomaly
40, 5.279, 234.452

Tritanomaly
40, 15.117, 207.023

Monochromacy



Original Color
40, 16.588, 191.009

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 6.522, 193.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 16.588, 191.009 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(57, 102, 99)` looks like.

```
.text, #text, p{  
    color:rgb(57, 102, 99)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(57, 102, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 102, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 16.588, 191.009 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(57, 102, 99) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(57, 102, 99) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(57, 102, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 102, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 102, 99);  
box-shadow:4px 4px 4px 4px rgb(57, 102,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 16.588, 191.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 102, 99) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(57, 102,  
99) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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